

Title (en)

Cannula for use with a matable supply electrode assembly

Title (de)

Kanüle zur Verwendung mit einer passenden Elektrode

Title (fr)

Canule destinée à être utilisée avec une électrode correspondante

Publication

**EP 2179702 A1 20100428 (EN)**

Application

**EP 10001841 A 20060501**

Priority

- EP 06758894 A 20060501
- US 67609205 P 20050429

Abstract (en)

An electrosurgical system (20) preferably used for denervation procedures of nerve tissue has a control unit (22) and a pluggable electrode assembly (24). The electrode assembly (24) has a preferably disposable cannula (28) and a preservable supply electrode assembly (36). The cannula (28) has a tubular body (29) that projects axially from a preferably pointed distal end for piercing tissue to a proximal end engaged to a first coupling assembly (44) of the cannula (28). The body (29) carries a first contact (68) exposed directly to the nerve tissue and connected electrically to a terminal (86) of the first coupling assembly (44). The supply electrode assembly (36) has a second coupling assembly (116) and a supply electrode (118) that projects axially and removably into a through-bore (57) of the body (29) when the tool is in an operating state. The second coupling assembly (116) carries a terminal (140) that abuts the first coupling assembly (44) when the coupling assemblies (44, 116) are mated. Preferably the supply electrode (118) carries a temperature sensor (120) for temperature measurement of the targeted tissue and processing by the control unit (22). Preferably, the electrode assembly (24) also includes a stylet (30) having a rod (80) that fits into the through-bore (57) of the body (29) when the supply electrode assembly (36) is removed and the tool (24) is in a tissue penetrating state.

IPC 8 full level

**A61B 18/14** (2006.01)

CPC (source: EP US)

**A61B 18/1477** (2013.01 - EP US); **A61B 2017/00212** (2013.01 - EP US); **A61B 2017/00867** (2013.01 - EP US); **A61B 2018/00434** (2013.01 - EP US); **A61B 2018/0044** (2013.01 - EP US); **A61B 2018/00821** (2013.01 - EP US); **C08L 2201/12** (2013.01 - EP)

Citation (applicant)

US 11270205 A 20050422

Citation (search report)

- [XYI] US 6312428 B1 20011106 - EGGERS PHILIP E [US], et al
- [Y] US 2002019596 A1 20020214 - EGGERS PHILIP E [US], et al
- [Y] US 4655226 A 19870407 - LEE PETER F [US]
- [A] US 5827280 A 19981027 - SANDOCK PAUL [US], et al

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 2006119245 A2 20061109; WO 2006119245 A3 20070329**; DE 602006012469 D1 20100408; EP 1874210 A2 20080109; EP 1874210 B1 20100224; EP 2179702 A1 20100428; EP 2179702 B1 20150121; US 2007016185 A1 20070118; US 2011160723 A1 20110630; US 7918852 B2 20110405; US 8852182 B2 20141007

DOCDB simple family (application)

**US 2006016731 W 20060501**; DE 602006012469 T 20060501; EP 06758894 A 20060501; EP 10001841 A 20060501; US 201113042670 A 20110308; US 38106406 A 20060501